



## THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):

Henri SAMAIN et al

Patent Appln. No.:

10/089,193

Filed:

June 27, 2002

Title:

COSMETIC COMPOSITIONS BASED ON

ORGANIC SILICON COMPOUNDS COMPRISING

AT LEAST A NON BASIC SOLUBILISING FUNCTION

Group/A.U.:

1616

Examiner:

Dodson, S.

Confirmation No.:

3276

## INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

As a means of complying with the duty of disclosure under 37 CFR §1.56, and in accordance with 37 CFR §\$1.97 and 1.98, Applicants, through the undersigned attorney, submit this Information Disclosure Statement.

The references listed on attached Form PTO-1449 are submitted herewith.

CH 535579 describes cosmetic compositions comprising an organosilicon compound having a tertiary amino group quaternized with an alkyl compound of formula  $C_nH_{2n+1}-X$  wherein X is a halogen, sulfate or phosphate group.

JP 63-307811 describes shampoos comprising amphoteric and anionic surfactants, and an aqueous emulsion of amino-organopolysiloxane. The emulsion is prepared by emulsifying a cyclic diorganopolysiloxane and amino organotrialkoxysilane, with a cationic surfactant, in water; emulsion polymerizing with an alkaline metal hydroxide catalyst; and neutralizing the resulting polymer with an acid. The obtained polymer has, for example, the following formula:

CH<sub>3</sub> OH HO(SiO)<sub>0</sub>(SiO)<sub>0</sub>H CH<sub>3</sub> CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>NHCH<sub>2</sub>CH<sub>2</sub>NH<sub>2</sub>

wherein p and q are numbers such as the molecular weight of the polymer is from 3,000 and 50,000. This polymer therefore has more than three silicon atoms and is in the form of a water-emulsion. The example contained in the abstract describes the water emulsion polymerization of  $\gamma$ -( $\beta$ -aminoethyl)aminopropyltriethoxysilane with octamethylcyclotetrasiloxane in the presence of cetyltrimethylammonium chloride. This polymerization leads to a polymer of the above formula. The emulsion obtained (which contains the polymer) is then mixed with other components: (lauroylamidopropyl)dimethylaminoacetic acid betaine, triethanolamine laurylsulfate, perfume, antiseptic, colorant and water. This document does not describe the composition as claimed in claim 9.

This Information Disclosure Statement is being filed concurrently with a Request For Continued Examination (RCE).

The Commissioner is hereby authorized to charge any fees due to Deposit Account 19-4293.

D. Douglas Price Reg. No. 24,514

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<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.